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26021 7590 10/31/2008

HOGAN & HARTSON L.L.P.
1999 AVENUE OF THE STARS
SUITE 1400
LOS ANGELES, CA 90067

EXAMINER

DASGUPTA, SOUMYA

ART UNIT

PAPER NUMBER

2176

DATE MAILED: 10/31/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/583,980	06/22/2006	Takeshi Mizuta	89327.0001	8439

TITLE OF INVENTION: REACTION INFORMATION DISPLAY SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/02/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE** OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

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A. Pay TOTAL FEE(S) DUE shown above, or

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/583,980 06/22/2006

Takeshi Mizuta

89327.0001

8439

TITLE OF INVENTION: REACTION INFORMATION DISPLAY SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/02/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
DASGUPTA, SOUMYA	2176	715-700000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a **Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____
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This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/583,980	06/22/2006	Takeshi Mizuta	89327.0001	8439
26021	7590	10/31/2008		
HOGAN & HARTSON L.L.P. 1999 AVENUE OF THE STARS SUITE 1400 LOS ANGELES, CA 90067				
			EXAMINER DASGUPTA, SOUMYA	
			ART UNIT	PAPER NUMBER
			2176	
DATE MAILED: 10/31/2008				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 173 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 173 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

<p style="text-align: center; font-weight: bold; font-size: 1.2em;">Notice of Allowability</p>	<p>Application No. 10/583,980</p> <p>Examiner SOUMYA DASGUPTA</p>	<p>Applicant(s) MIZUTA, TAKESHI</p> <p>Art Unit 2176</p>
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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Applicant's Response dated 7/30/2008.

2. ☒ The allowed claim(s) is/are 2-3, 5-6, 9-10, 12-13, 16-21.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

<p>Attachment(s)</p> <p>1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</p> <p>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</p> <p>3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____</p> <p>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material</p>	<p>5. <input type="checkbox"/> Notice of Informal Patent Application</p> <p>6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____</p> <p>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</p> <p>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</p> <p>9. <input type="checkbox"/> Other _____.</p>
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<p>/Soumya Dasgupta/ Examiner, Art Unit 2176</p>	<p>/Doug Hutton/ Supervisory Patent Examiner Technology Center 2100</p>
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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Troy Schmelzer on 9/22/2008.

The application has been amended as follows:
In the claims:

- Amend claims 2, 5, 9, 12, and 16 as follows:
2. (Currently amended) A reaction information display comprising:

a provider side terminal device having a provider side display device; and
a plural number of user side terminal devices, each having a user side input operation device and a user side display device, capable of communicating through an information communication network with the provider side terminal device, wherein

the provider side terminal device has an evaluated object information transmission means for transmitting evaluated object information,

each user side terminal device has an evaluated object information display means for receiving and displaying on the user side display device the evaluated object information transmitted from the provider side terminal device through the

information communication network, and a reaction information transmission means for transmitting reaction information corresponding to the user side terminal device when the user side input operation device is operated in reaction to the displayed evaluated object information, and

the provider side terminal device further has a reaction information display means for receiving reaction information transmitted from the user side terminal devices through the information communication network and for displaying information corresponding to the received reaction information on the provider side display device, wherein

the reaction information display means has a user icon display means that defines, in part of the provider side display device, a user icons collective display area including a plural number of user icon display areas corresponding to the respective user side terminal devices

and displays, using icons, information corresponding to the reaction information from the respective user side terminal devices in corresponding user icon display areas, and

the user icon display means changes colors of the icons displayed in the user icon display areas ~~according to items of~~ based on the reaction information.

5. (Currently amended) A provider side terminal device used in a system comprising:

the provider side terminal device having a provider side display device, and

a plural number of user side terminal devices, each having a user side input operation device and a user side display device, capable of communicating through an information communication network with the provider side terminal device, wherein the provider side terminal device has:

an evaluated object information transmission means for transmitting evaluated object information, and

a reaction information display means for receiving reaction information, corresponding to the user side terminal devices, transmitted as a result of the user side input operation devices being operated in reaction to the evaluated object information transmitted from the evaluated object information transmission means

and received by the user side terminal devices through the information communication network and displayed on the user side display devices, and for displaying information corresponding to the received reaction information on the provider side display device, wherein

the reaction information display means has a user icon display means that defines, in part of the provider side display device, a user icons collective display area, including a plural number of user icon display areas corresponding to the respective user side terminal devices and displays using icons, information corresponding to the reaction information from the respective user side terminal devices in corresponding user icon display areas and

the user icon display means changes colors of the icons displayed in the user icon display areas ~~according to items of~~ based on the reaction information.

9. (Currently amended) A user side terminal device used in a system having:

a provider side terminal device having a provider side display device, and

a plural number of user side terminal devices, each having a user side input operation device and a user side display device, capable of communicating through an information communication network with the provider side terminal device, wherein

each user side terminal device has:

an evaluated object information display means for receiving evaluated object information transmitted from the provider side terminal device through the information communication network and for displaying the received information on the user side display device, and

a reaction information transmission means for transmitting reaction information so that information, corresponding to the reaction information corresponding to the user side terminal device and transmitted to the provider side terminal device through the information communication network when the user

side input operation device is operated in reaction to the displayed evaluated object information, is displayed on the provider side display device, wherein

each user side terminal device is capable of communicating with other user side terminal devices through the information communication network and further comprises:

an other user information acquisition means for receiving reaction information transmitted from other user side terminal devices through the information communication network, and

a reaction information display means for displaying information corresponding to the reaction information from other user side terminal devices on the user side display device, wherein

the reaction information display means has a user icon display means that defines, in part of the user side display device, a user icons collective display area including a plural number of user icon display areas corresponding to the respective user side terminal devices and displays, using icons, information corresponding to the reaction information from the respective user side terminal devices in corresponding user icon display areas, and

the user icon display means changes colors of the icons displayed in the user icon display areas ~~according to items of~~ based on the reaction information.

12. (Currently amended) A computer program embodied on a computer-readable medium that causes a provider side terminal device used in a system comprising the provider side terminal device having a provider side display device, and a plural number of user side terminal devices each having a user side input operation device and a user side display device, and capable of communicating through an information communication network with the provider side terminal, to function as:

an evaluated object information transmission means for transmitting evaluated object information, and

a reaction information display means for receiving reaction information corresponding to the user side terminal devices, transmitted through the information communication network when the user side input operation device is operated in reaction to the evaluated object information transmitted from the evaluated object information transmission means and received with the user side terminal device through the information communication network and displayed on the user side display device, and for displaying information corresponding to the received reaction information on the provider side display device, wherein

the reaction information display means has a user icon display means that defines, in part of the provider side display device, a user icons,

collective display area including a plural number of user icon display areas corresponding to the respective user side terminal devices and displaying,

using icons, information corresponding to the reaction information from the respective user side terminal devices in corresponding user icon display areas, and

the user icon display means changes colors of the icons displayed in the user icon display areas ~~according to items of~~ based on the reaction information.

16. (Currently amended) A computer program embodied in a computer-readable medium for causing a user side terminal device used in a system comprising a provider side terminal device having a provider side display device, and a plural number of user side terminal devices, each having a user side input operation device and a user side display device, and capable of communicating through an information communication network with the provider side terminal, to function as:

an evaluated object information display means for receiving evaluated object information transmitted from the provider side terminal device through the information communication network and for displaying the received information on the user side display devices, and

a reaction information transmission means for transmitting reaction information so that information corresponding to the reaction information corresponding to the user side terminal devices and transmitted to the provider side

terminal device through the information communication network when the user side input operation devices are operated in reaction to the displayed evaluated object information, is displayed on the provider side display device, wherein

the user side terminal devices are capable of communicating with other user side terminal devices through the information communication network,

the computer program further causes each user side terminal device to function as:

an other user information acquisition means for receiving reaction information transmitted from other user side terminals through the information communication network and

a reaction information display means for displaying information corresponding to reaction information from the respective user side terminal device, s on the user side display device, wherein

the reaction information display means has a user icon display means that defines, in part of the user side display device, a user icons collective display area including a plural number of user icon display areas corresponding to the respective user side terminal devices and displaying, using icons, information corresponding to the reaction information from the respective user side terminal devices in corresponding user icon display areas, and

the user icon display means changes colors of the icons displayed in the user icon display areas ~~according to items of~~ based on the reaction information.

Allowable Subject Matter

Claims 2-3, 5-6, 9-10, 12-13, and 16-21 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art discloses:

- Appleman et al (US 6,539,421) discloses a message application user interface that allows users to communicate with one another in real time.
- Canfield et al (US 7,127,685) discloses a message application user interface with emotion buttons and icons.
- Williams (US 6,292,828) and Warren et al (US 2003/0167449) disclose an interface that polls user's reaction.

Claims 2, 5, 9, 12, 16:

The prior art fails to disclose or suggest the combination of limitations recited in Claims 2, 5, 9, 12, and 16. More specifically, the prior art fails to disclose or suggest a system that measures the reaction of an interactive, user polling network that contains:

- A provider side terminal device having a provider side display device;
 - The provider side terminal device has an evaluated object information transmission means for transmitting evaluated object information,
- A plural number of user side terminal devices which have a user side input operation device and a user side display device which are capable of

communicating through an information communication network with the provider side terminal device. Each user side terminal device has:

- An evaluated object information display means for receiving and displaying on the user side display device the evaluated object information transmitted from the provider side terminal device through the information communication network,
 - And a reaction information transmission means for transmitting reaction information corresponding to the user side terminal device when the user side input operation device is operated in reaction to the displayed evaluated object information,
- The provider side terminal device further has a reaction information display means for receiving reaction information transmitted from the user side terminal devices through the information communication network and for displaying information corresponding to the received reaction information on the provider side display device,
 - Wherein the reaction information display means has a user icon display means that defines, in part of the provider side display device, a user icons collective display area including a plural number of user icon display areas corresponding to the respective user side terminal devices,

- And displays, using icons, information corresponding to the reaction information from the respective user side terminal devices in corresponding user icon display areas, and
- The user icon display means changes colors of the icons displayed in the user icon display areas based on the reaction information.

Claims 3, 6, 10, 13, 17:

The prior art fails to disclose or suggest the combination of limitations recited in Claims 3, 6, 10, 13, and 17. More specifically, the prior art fails to disclose or suggest a system that measures the reaction of an interactive, user polling network that contains:

- A provider side terminal device having a provider side display device
 - The provider side terminal device has an evaluated object information transmission means for transmitting evaluated object information,
- A plural number of user side terminal devices each having a user side input operation device and a user side display device, capable of communicating through an information communication network with the provider side terminal device,
- Each user side terminal device has an evaluated object information display means for receiving and displaying on the user side display device the evaluated object information transmitted from the provider side terminal device through the

information communication network, and a reaction information transmission means for transmitting reaction information corresponding to the user side terminal device when the user side input operation device is operated in reaction to the displayed evaluated object information, and

- The provider side terminal device further has a reaction information display means for receiving reaction information transmitted from the user side terminal devices through the information communication network and for displaying information corresponding to the received reaction information on the provider side display device,
 - Wherein the reaction information display system further has a communication information memory device having a communication information database for storing contents of information, communicated between the devices constituting the system, related to communication time and information type,
- The provider side terminal device further has a communication information reproduction means for acquiring, while specifying communication time and information type, the whole or part of the information communicated between the respective terminal devices and stored in the communication information database, and for reproducing and displaying information corresponding to the acquired information on the provider side display device, and

- The communication information reproduction means acquires graphic, information sampled at certain intervals as the evaluated object information, acquires a reaction information transition graph showing a transition of sums in every sampling period of the number of pieces of the reaction information corresponding to the evaluated object information, and reproduces and displays the graphic information and the reaction information transition graph adjacent to each other on the provider side display device.

Claim 18:

The claim incorporates the allowable subject matter of Claim 12 and is thus allowable.

Claim 19:

The claim incorporates the allowable subject matter of Claim 13 and is thus allowable.

Claim 20:

The claim incorporates the allowable subject matter of Claim 16 and is thus allowable.

Claim 21:

The claim incorporates the allowable subject matter of Claim 17 and is thus allowable.

The examiner notes that these features of the reaction information system are illustrated in Figures 15-19 and described in detail on Page 20-50 of the Specification in the present application.

Regarding Claims 2 and 3, the examiner interprets the recited "*reaction information system*" to include the following hardware components:

- a provider side terminal device;
- a user side terminal device; and
- a user side display device,

as indicated in Figures 15-19 of the Drawings. The recited "*reaction information system*" and its associated modules are controlled by, and displayed using, the hardware components of the system, as indicated in Figures 4-6 of the Drawings. Accordingly, Claims 2 and 3 recites statutory subject matter, as defined in 35 U.S.C. 101.

Regarding Claims 5 and 6, the examiner interprets the recited "*provider side terminal device used in a system*" to include the following hardware components:

- a provider side terminal device;
- a user side terminal device; and
- a user side display device,

as indicated in Figures 15-19 of the Drawings. The recited "*reaction information system*" and its associated modules are controlled by, and displayed using, the hardware components of the system, as indicated in Figures 4-6 of the Drawings. Accordingly, Claims 5 and 6 recites statutory subject matter, as defined in 35 U.S.C. 101.

Regarding Claims 9 and 10, the examiner interprets the recited "*user side terminal device used in a system*" to include the following hardware components:

- a provider side terminal device;
- a user side terminal device; and
- a user side display device,

as indicated in Figures 15-19 of the Drawings. The recited "*reaction information system*" and its associated modules are controlled by, and displayed using, the hardware components of the system, as indicated in Figures 4-6 of the Drawings. Accordingly, Claims 9 and 10 recites statutory subject matter, as defined in 35 U.S.C. 101.

Regarding Claims 12, 13, 16, and 17, the examiner interprets the recited "*computer program product embodied on a computer-readable medium*" to be a hardware component, since the "*computer program product*" **tangibly embodies** a "*computer-readable medium*." Accordingly, Claims 12, 13, 16, and 17 recites statutory subject matter, as defined in 35 U.S.C. 101.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Soumya Dasgupta whose telephone number is 571-272-7432. The examiner can normally be reached on M-Th 9am-7pm, F 9am-1pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doug Hutton can be reached on 571-272-4137. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SD

/Doug Hutton/
Doug Hutton
Supervisory Primary Examiner
Technology Center 2100